Communication dated December 12, 2001, please amend the above referenced application as

indicated below.

In The Claims

Please amend the claims as follows:

1.   (amended) A method of diagnosing a computer system after a failure comprising:

preserving in place the state of a first set of system resources after the failure occurs in the

computer system;

accessing the computer system by utilizing a second set of system resource;

and

diagnosing the failure by analyzing one or more resources from the first set of system

resources.

2.   (amended) A method of diagnosing a computer system after a failure comprising:

detecting a failure on a first computer system;

implementing fail-over to a second computer system after detecting the failure on the first

computer system;

preserving in place the state of one or more resources on the first computer system;

accessing the first computer system to diagnose the failure; and

diagnosing the failure by analyzing the one or more resources.

21.   (amended) A medium readable by a processor, the medium being stored thereon a sequence

of instructions which, when executed by the processor, causes the execution of a process of

preserving the state of a computer system after a failure by performing:

preserving in place the state of a first set of system resources after the failure occurs in the

computer system;

accessing the computer system by utilizing a second set of system resource;

and

diagnosing the failure by analyzing one or more resources from the first set of system

resources.

22. (amended) A medium readable by a processor, the medium being stored thereon a sequence of instructions which, when executed by the processor, causes the execution of a process of preserving the state of a computer system after a failure by performing:

detecting a failure on a first computer system;

implementing fail-over to a second computer system after detecting the failure on the first computer system;

preserving in place the state of one or more resources on the first computer system;

accessing the first computer system to diagnose the failure; and

diagnosing the failure by analyzing the one or more resources.

41. (amended) A system for diagnosing a computer system after a failure comprising:

a preservation module for preserving in place the state of a first set of system resources after the failure occurs in the computer system;

an access module for accessing the computer system by utilizing a second set of system resources; and

a diagnosis module for diagnosing the failure by analyzing one or more resources from the first set of system resources.

52. (amended) A system for diagnosing a computer system after a failure comprising:

a failure detection module, for detecting a failure on a first computer system;

a fail-over module, for implementing fail-over to a second computer system after detecting the failure on the first computer system;

a resource preservation module, for preserving in place the state of one or more resources on the first computer system;

an access module for accessing the first computer system to diagnose the failure; and

a diagnosis module, for diagnosing the failure by analyzing the one or more resources.

Please add the following new claims:

61. (new) The method of claim 1, wherein preserving in place the state of a first set of system resources comprises freezing the state of the first set of system resources.

62. (new) The method of claim 1, wherein preserving in place the state of a first set of system resources does not require any copying of the state of the first set of system resources.

63. (new) The method of claim 12, wherein preserving in place the state of one or more resources comprises freezing the state of the first set of system resources.

64. (new) The method of claim 12, wherein preserving in place the state of one or more resources does not require any copying of the state of the one or more resources.

65. (new) The medium of claim 21, wherein preserving in place the state of a first set of system resources comprises freezing the state of the one or more resources.

66. (new) The medium of claim 21, wherein preserving in place the state of a first set of system resources does not require any copying of the state of the first set of system resources.

67. (new) The medium of claim 22, wherein preserving in place the state of one or more resources comprises freezing the state of the one or more resources.

68. (new) The medium of claim 22, wherein preserving in place the state of one or more resources does not require any copying of the state of the one or more resources.

69. (new) The system of claim 41, wherein preserving in place the state of a first set of system resources comprises freezing the state of the one or more resources.

70. (new) The system of claim 41, wherein preserving in place the state of a first set of system resources does not require any copying of the state of the first set of system resources.

71. (new) The system of claim 52, wherein preserving in place the state of one or more resources comprises freezing the state of the one or more resources.

72. (new) The system of claim 52, wherein preserving in place the state of one or more resources does not require any copying of the state of the one or more resources.